



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**Notification# 20230619001.0
Datasheet for REF50xx
Information Only Datasheet**

Date: June 21, 2023
To: TOKYO ELECTRON DEVICE (DSTR) PCN

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this notification are for your information only.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

For questions regarding this notice, contact your local Field Sales Representative or the Change Management team.

Sincerely,

Change Management Team
SC Business Services

20230619001.0
Information Only Datasheet
Attachments

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
REF5025AIDGKR	null
REF5040AID	null
REF5045AIDGKR	null
REF5045IDGKT	null
REF5050ID	null
REF5050IDGKT	null
REF5050IDR	null
REF5025AID	null
REF5050AIDGKR	null
REF5050AIDGKT	null
REF5025AIDGKT	null
REF5030IDGKR	null
REF5040AIDGKR	null
REF5040ID	null
REF5040IDGKT	null
REF5045AIDR	null
REF5025AIDR	null
REF5025IDGKT	null
REF5025IDR	null
REF5030ID	null
REF5030IDR	null
REF5040AIDR	null
REF5045ID	null
REF5050AID	null
REF5050AIDR	null
REF5030IDGKT	null
REF5040AIDGKT	null
REF5045AID	null
REF5010AID	null
REF5045AIDGKT	null
REF5040IDGKR	null
REF5010AIDR	null
REF5030AID	null
REF5030AIDGKT	null
REF5025ID	null
REF5030AIDGKR	null
REF5050IDGKR	null

Technical details of this Product Change follow on the next page(s).

PCN Number:	20230619001.0	PCN Date:	June 21, 2023
Title:	Datasheet for REF50xx		
Customer Contact:	Change Management team	Dept:	Quality Services
Change Type:	Electrical Specification		

PCN Details

Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



REF5010, REF5020, REF5025, REF5030, REF5040, REF5045, REF5050
SBOS410K – JUNE 2007 – REVISED JUNE 2023

Changes from Revision J (July 2022) to Revision K (June 2023)	Page
• Changed VSSOP 2000 hours LTD information line to SOIC -8 1000 hours LTD information.....	1
• Changed <i>Long-Term Stability</i> parameters and specifications for SOIC-8 package.....	5
• Changed output voltage noise to low frequency noise to <i>Electrical Characteristics</i>	5
• Added 10 Hz to 1 Khz noise information <i>Electrical Characteristics</i>	5
• Changed Long term stability spec for SOIC-8 Package <i>Electrical Characteristics</i>	5
• Changed Figure 7-28	7
• Changed Figure 7-29	7
• Changed Figure 7-30	7
• Added noise density plot Figure 7-14	7
• Changed title of flicker noise plot Figure 7-13	7
• Changed all the load transient plot Figure 7-17 Figure 7-18 Figure 7-19 Figure 7-20	7
• Changed the plot Figure 9-3	17

The datasheet number will be changing.

Device Family	Change From:	Change To:
REF50xx	SBOS410J	SBOS410K

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/REF5010>

Reason for Change:

To accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device

Changes to product identification resulting from this PCN:

None.

Product Affected:

REF5010AID	REF5025IDGKR	REF5040AIDGKR	REF5045IDGKR	
REF5010AIDGKR	REF5025IDGKT	REF5040AIDGKT	REF5045IDGKT	
REF5010AIDGKT	REF5025IDR	REF5040AIDR	REF5045IDR	
REF5010AIDR	REF5025IDRG4	REF5040ID	REF5050AID	
REF5010ID	REF5030AID	REF5040IDG4	REF5050AIDG4	
REF5010IDGKR	REF5030AIDG4	REF5040IDGKR	REF5050AIDGKR	

REF5010IDGKT	REF5030AIDGKR	REF5040IDGKT	REF5050AIDGKT	
REF5025AID	REF5030AIDGKT	REF5040IDR	REF5050AIDR	
REF5025AIDG4	REF5030AIDR	REF5040IDRG4	REF5050ID	
REF5025AIDGKR	REF5030ID	REF5045AID	REF5050IDG4	
REF5025AIDGKT	REF5030IDGKR	REF5045AIDG4	REF5050IDGKR	
REF5025AIDR	REF5030IDGKT	REF5045AIDGKR	REF5050IDGKT	
REF5025AIDRG4	REF5030IDR	REF5045AIDGKT	REF5050IDR	
REF5025ID	REF5040AID	REF5045AIDR	REF5050IDRG4	
REF5025IDG4	REF5040AIDG4	REF5045ID		

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES “AS IS” AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI’s products are provided subject to TI’s Terms of Sale (www.ti.com/legal/termsofsale.html) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI’s provision of these resources does not expand or otherwise alter TI’s applicable warranties or warranty disclaimers for TI products.